BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work :-Re-Asphalting Cross roads & Re-Construction of at Drains at Kirloskar layout in Ward No 14

			Est. Cost Rs				45.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in **ordinary soil** involving an average horizantal throw upto 2 meters and an average lift upto 0.5m, excavated surface laveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specification, MOrth Chapter 3 **Page No. 152/ Item No. 19.1/ PWD SR 2013-14**	Cum							
	Road cuttings		30	6.00	0.60	0.35	37.80		
			1	1416.00	1.00	0.35	495.60		
	Basic Rate	61.00					**533.40**	65.88	**35140.00**
	Add Area Weightage 8%	4.88							
	Total	**65.88**							
2	KSRRB 500-3: **Scarifying existing** stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100mtr. sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications Specification No. KRBS 500-1 MORTH Chapter 5 **Page No. 175/ Item No. 21.3/ PWD SR 2013-14**	Sqm							
			1	100	5.20		**520.00**	72.79	**37852.00**
	Basic Rate	67.40							
	Add Area Weightage 8%	5.39							
	Total	**72.79**							
3	KSRRB M400-1. **For Grading I Material** Construction of **granular sub-base** by providing close graded granular sub-base Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per Specifications. A. Plant Mix Method. **Page No. 167/ Item No. 20.4.1 PWD SR 2013-14**									
			30	6	0.6	0.15	16.20		
			1	1416	1	0.15	212.4		
	Basic Rate	982.00					**228.60**	1060.56	**242444.00**
	Area Weightage 8%	78.56							
	Total	**1060.56**							

4	Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix . ınt carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2013-14, P.No.170, I No.20.18)								
	Roads 18th Cross		1	100.00	5.20	0.20	104.00		
			30	6.00	0.60	0.20	21.60		
			1	1416.00	1.00	0.20	283.20		
	Basic Rate	1038.00					**408.80**	1121.04	**458281.00**
	Add Area Weightage 8%	83.04							
	Total	**1121.04**							
5	Providing and applying **primer coat** with S.S. Bitumen emulsion on prepared surface of granular base such as **WBM, WMM** including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWDSR 2013-14, P.No.176, I No.21.9)	Sqm							
			1	100.00	5.20		520.00		
			1	1416.00	1.00		1416.00		
							1936.00	28.94	**56036.00**
	Basic Rate	26.80							
	Add Area Weightage 8%	2.14							
	Total	**28.94**							
6	KSRRB 500-2: Cleaning the existing **black topped surface** with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. Specification No. KRBS 500-1 MORTH Chapter 5 **Page No. 175/ Item No. 21.2/ PWD SR 2013-14**	**Sqm**							
			1	1416.00	4.20		**5947.20**	2.59	**15403.00**
	Basic Rate	2.40							
	Area Weightage 8%	0.19							
	Total	**2.59**							
7	KSRRB 500-7: Providing and applying tack coat on the prepared black topped surfaces at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 **Page No. 176/ Item No. 21.7/ PWD SR 2013-14**	**Sqm**							
	Cross roads		**Qty Vide Iteam No 6**				**5947.20**	17.93	**106633.00**
	Basic Rate	16.60							
	Area Weightage 8%	1.33							
	Total	**17.93**							

8	KSRRB M500-11: Providing & Laying Bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base/binding course including loac , of aggregates with F.E. Loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materias with paver finisher to the required level and grade, rolling by power roller to achieve desired density, 50/75 mm compacted thickness with 3.3 % bitumen but excluding cost of primer/tack coat with lead upto 1 km including cost of all materials, labour, HOM of machineries complete as per specificification with 80/100n grade bitemen p-176/IN 21.11.1 /PWD SR 2013-14	**Sqm**							
			1	1416.00	1.60	0.05	**113.28**	6646.32	**752895.00**
	Basic Rate	6154.00							
	Area Weightage 8%	492.32							
	Total	**6646.32**							
9	Providing and laying **semi dense bituminous concrete** 25 - 30mm compacted thickness with 5% bitumen with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled vibratory and ttandem rollers to achieve the desired compaction as per MoRTH specification clause No. 508 complete in all respects with 80 / 100 grade bitumen with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2013-14, P.No.178, I No. 21.20.1)	Cum							
	2nd Cr, 3rd Cr 4th, 5th, 6th 7th 8th, 9th, 10th // 15th Cms	23rd Cr	1	1416.00	5.20	0.03	220.90		
	15th Cms		1	100.00	5.20	0.03	15.60		
	Basic Rate	8918.00					**236.50**	9631.44	**2277797.00**
	Area Weightage 8%	713.44							
	Total	**9631.44**							
10	Carraige of Mixed Materials above 15 Km beyound 10Km to 15 Kmslead at P-186, d 15x4.50=67.50	Qty vide Item No 08 & 09					**349.78**	67.50	**23610.00**

	Length/0.45=0.00		1	664			664.44	316.44	210257.00
	Basic Rate	293.00							
	Area Weightage 8%	23.44							
	Total	**316.44**							
15	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 150 Item No. 17.1 PWD SR 2013-14**	Cum					533.40 53.82		41733=00 4211.00
				Qty Vide Item No. 1				78.24	
	2 x 1.28 x 4 Kmtrs	10.24							
		62.20							
	Basic Rate	**72.44**							
	Add Area Weightage 8%	5.80							
	Total	**78.24**							
16	**For Quality Control Report Charges1% of the Estimate Cost** KRIDL charges 1% + 1% labour cess								450000=00
17	Miscellaneous and UnforessenCharges							2176	4161.00
								Total	4500000.00

(Rupees.Forty Five Lakhs Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2013-14
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

A/S
AC(DH) AS 890/13-14
ದಿನಾಂಕ : 04/03/14
ರೂ.45:00 Lakhs (Rupees Forty five Lakhs only)
Page No-005
SL.No-890

CE/DZ/TS/ 36 /14-15
ಸಂ. Pg No : 68 ದಿನಾಂಕ : 20/5/2014
ರೂ.45,00000/— (ರೂ. ನಾಲವತ್ತೈದು ಸಾವಿರ ಲಕ್ಷ ಗಳು)

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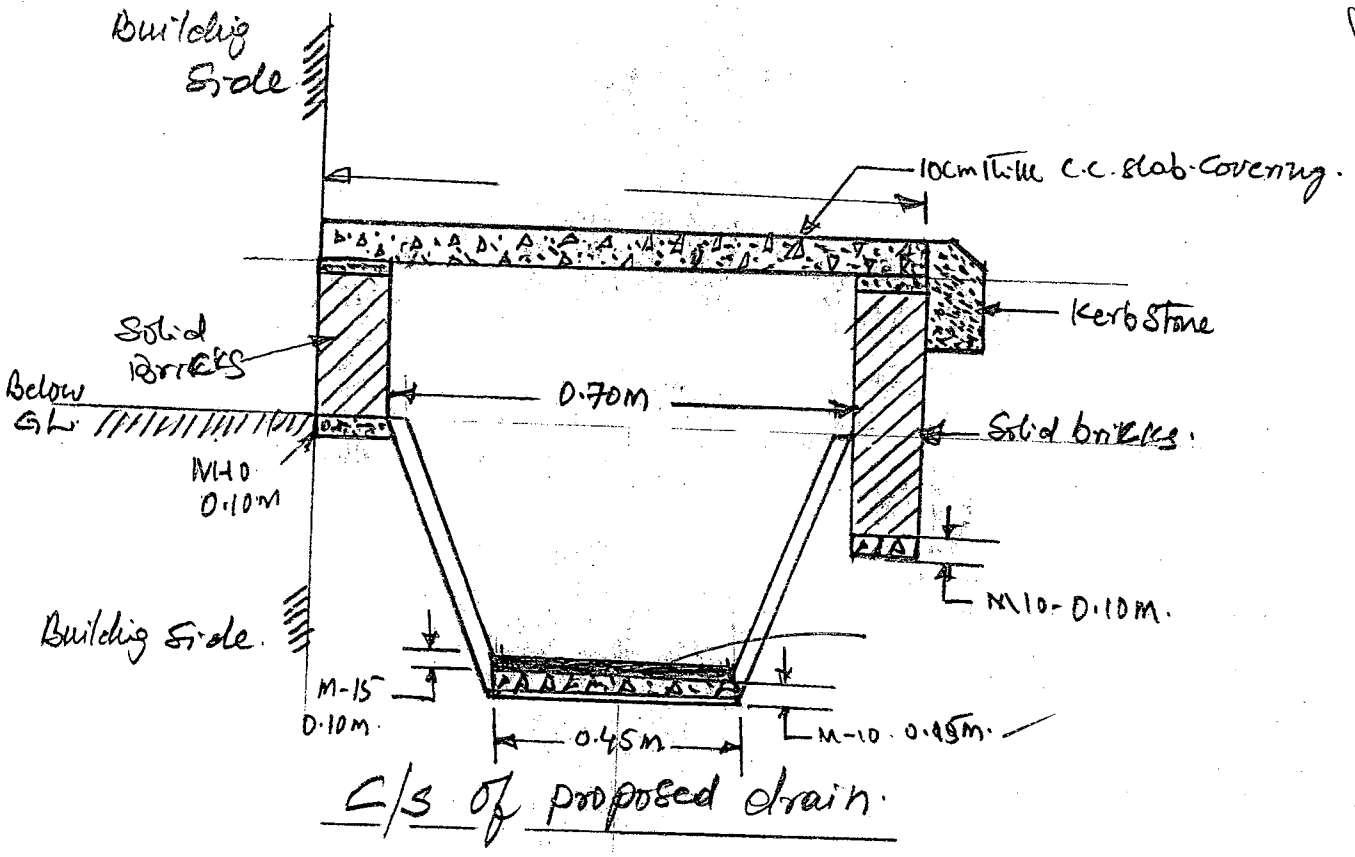

C/S of proposed drain.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪೂರ್ವ ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ವೃಷಭಾವತಿ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಮಾಗಡಿರಸ್ತೆ, ಬೆಂಗಳೂರು - 560 073

Name of work: Re-Asphalting Cms roads & Reconstruction of chain at Gorbskarbagat ward no 14.

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